

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: Johnson_Dan@AAC.COM
Subject: [4392] (FOX) tnx AB50U, sri W03B, no tnx KC4AAA
Message-ID: <9510181612.22640.aa@SMROUTER.AAC.COM>

Content-Type: text/plain; charset=US-ASCII

Ok, so it took a while to ferret out a workable fox. QRN and QRM were nasty leading to an hour and a half with fingers dancing across 250 Hz filter button, IF shift, PBT, notch, RIT, main tuning, and the 800 Hz LC audio filter switch.

I heard stations working W03B on both 40M subbands and an occasional dit or dah from Bob, but that's all. Sri, Bob, really wanted to work you. Considered a one-way QSO, but that would've been kinda pointless. Maybe a QRP relay? Hmmm... No credit, but it would've been fun. (Maybe relays **should** count if this is not a contest. Chuck?)

It was a pleasure bagging Tim, AB50U, with 5W through a ground-mounted vertical, first fox of the season for me. Tnx for sticking with my 339 signal. You were 439 because I got the notch just right to allow audio amplification without blasting eardrums into brain.

Also heard (sketchy notes) N7MFB/Bill in WA (fine sig), KA5T, N4EUK, N1QP, KC1GS, Jay, Larry, Bill in MA (yes, that's MA, not NA, hi).

As the last dit faded into the noise, I ventured down to 7.005 and tried (silly me) to break the pile-up on KC4AAA, Nick, at the South Pole. He did a great job, but my station (with OP as weak link) was inadequate to make it on long-path propagation. As a thinly veiled attempt to urge some of you to upgrade, I **have** broken DX pileups on 5W at the low end of 40.

72 de KC4EWT. Had a blast.

ZUT,
-d
Johnson_Dan@aac.com

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: william.redfearn.cmwdr01@nt.com
Subject: [4400] 28.322 MHz module group purchase update
Message-ID: <"1170 Wed Oct 18 09:07:39 1995"@nt.com>

So far I have gotten specific requests from:
AA1LK, W4RNL, WA4NID, & KC5CUW
I will close this list out on Friday, so If you want some

28.322 oscillator modules @ \$1.00 ea., let me know how many by Friday. Friday I'll get the modules ordered so they will be in by the time the checkes arrive.

RECAP:

28.322 Mhz oscillator modules for \$1.00 ea.

>From previous posts, these are useful for several different projects.

The modules are labeled:

DALE

X0-52BE

28.322M

8952J

73 - Dave.

=====
Dave Redfearn, Sr RF Systems Engineer NORTEL RTP, NC.
ph.(919) 992-3925 email: cmwdr01@nt.com qrl? de N4ELM/qrp

All opinions are my own, no one else wants them.

From qrp-l@lehigh.edu Wed Oct 18 14:38:00 1995
From: burdick@interval.com (Wayne Burdick)
Subject: [4383] 2N7000's: important information
Message-ID: <v02130537acaa3d76a146@[199.170.106.28]>

This is important reading for designers and kit builders about a component that has recently become popular in QRP circles. [Please publish widely--QRPP, "72", etc.]

The 2N7000 is a DMOS MOSFET transistor that is great for switching uses: it can be used just like an NPN transistor, but requires no current-limit or bias resistor at the base lead (its gate lead draws no current). In fact, in the T0-92 package, its leads are in the same order as a bipolar transistor: S-G-D correspond to E-B-C.

BUT: this part *IS* subject to static damage. Before you handle one, sit down and touch the nearest metal surface that is grounded (rig, scope ground lead, etc.).

Both the Cascade (NorCal) and the KC1 (Wilderness Radio) use 2N7000s. Wilderness guarantees that their 2N7000 transistors are good when they go into the anti-static bags, and after that it's up to the builder. 99% of

the time, you won't have a problem even if you handle them improperly (see story at the end of the article). It's the 1% I'm trying to eliminate.

I can't speak for NorCal's packing of the Cascade, but I know Doug Hendricks was careful when he packed them. (On the other hand, Dave Meacham confirms that there have been some failures of this part in the Cascade, and there have been a couple in KC1s as well. You can bet the next revisions of both manuals will include more anti-static precautions.)

Anyway, this is a very useful part that won't go away, so here are some strongly recommended guidelines:

1. NEVER buy surplus 2N7000s or similar parts unless they are still on or in their protective anti-static shipping material. Loose parts in bins must be 100% tested before use.
2. NEVER remove them from the shipping material until you're properly grounded. It is then OK to put them into anti-static bags but NOT into ordinary plastic bags.
3. If you suspect one is bad, you can tentatively substitute a 2N2222A or other NPN transistor for it in many cases, BUT you must add a resistor (typically 10K) in series with the base lead. This is necessary because in most circuits, the 2N7000 is driven directly by things like microprocessor output pins, and you'll fry the NPN transistor without base current limiting.

Now, just to confuse the issue, here's an amusing counter-example:

When I designed the 2N7000s into the KC1, I attempted to do "destructive testing" of one of the parts. I held a 2N7000 loosely in my hand, scuffed my feet around on carpet, rubbed the part on my cat, shocked myself on the sliding glass door transistor-first, and other things too horrible to mention. Then I put it back in the circuit. It still worked! Perhaps some of the parts are better than others! After all, they are made by more than one manufacturer.

Hope this clarifies the use of these devices. Assume the worst, despite my good luck with one of them.

73,
Wayne Burdick
N6KR

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: adam@libertynet.org (Adam O'Donnell)
Subject: [4375] 30m QRP-L contest
Message-ID: <199510180353.XAA16850@philadelphia.libertynet.org>

I have an idea... please don't criticize it...

Do you think it would be acceptable if we had a sort of QRP-L contest on 30? Maybe work 25 of us in a 24 hr period?

Something just to promote QRP activity on 30. To work the QRP-Lers, you must be running 5w or less.

What do you guys think?

Adam O'Donnell, N3RCS
Amsat: N3RCS@AMSAT.ORG
Internet: ADAM@LIBERTYNET.ORG

"I want to know how God created this world. I am not interested in this or that phenomenon. I want to know His thoughts, the rest are details."

-- Albert Einstein

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: Bruce Robertson <brucerob@epas.utoronto.ca>
Subject: [4361] 40-40 QRO again
Message-ID: <Pine.SGI.3.91.951017172033.13847A-100000@blues.epas.utoronto.ca>

Well, after attempt #1 to get the 40-40 up into 5-6w out was a failure, I just couldn't let the idea go. While writing the thesis this afternoon another method came to me. This time I'll post it to the group before trying it out. (For those that wonder why I need anything more than 1w, I reply that I don't, except at home where 6' whips are the only antenna option.)

The idea is to use a 24v final transistor like the 2N3553 and feed it (and only it) with 24v. As far as I can tell, this wouldn't tax the driver like previous plans did. This *would* involve cutting the pcb foil near the V+ line to add the second battery line. If one used a 2.5mm coaxial power plug for both, then regular 12v operation would still be an option. One would simply prepare a shorted plug and insert it in one of the sockets.

My concern and question is: would I not have to include further bypass caps over the 24v supply, and how would these interact with the

existing ones that would be across half of that?

Just an idea... Thanks again to SWL for making a great little radio!
72, VE3UWL
Bruce G. Robertson Dept. of Classics, U. of T.

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [4384] Apology
Message-ID: <199510180929.JAA11305@chuck.dallas.sgi.com>

Gang,

My apology for the post that should have gone to dayton-L.
Bad habit I have to autotype qrp.

1,000 lashes with a wet nylon antenna stringer-upper for
the kid from texas Mr. Chairman.

Dayton info goes to dayton-l, qrp info goes to qrp-l, dayton info
goes to.....

One week of silence penalty. Into the penalty box....

Take the iambic paddle away from the kit, and the modem,

--

Chuck Adams (K5FO CP-60) adams@sgi.com
Box 181150, Dallas, TX 75218-8150

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: George.Gingell@bbs.abs.net (George Gingell)
Subject: [4348] ARCI INTERNATIONAL!
Message-ID: <1995Oct17.124820.14735@abs.net>

RE: QRP ARCI American or International

WHOA! TIME-OUT! am I missing something here in the translation or is
my modem messing up? I seem to be missing something. I have been a member
of QRP Amateur Radio Club International for about 16 years now, (Joined in
1979). I know for a fact that members of other nations have been active on
the QRP ARCI Board of Directors. I know personally that VE2KN - Jim Lyons,

and G4BUE - Chris Page were on the BOD in 1985. If you check The QRP Quarterly Journal Issue of Oct. 85 Vol. XXIII #4, Pages 4,5,7, & 10 you will be able to read the details for yourself. OTBW. That is the same Election in which I came on board as a member of the BOD and Also became the club QRP NET Manager. I have been serving you in these positions since that time. (Ten years this year). Yes, I am running for Re-Election.

QRP DX TU (C) 1986, G.Danny Gingell, K3TKS@bbs.abs.net or K3TKS@WB3FFV.MD (PKT)
 QRP ARCI Director and QRP Net Manager
 Founder of The Maryland Milliwatt Club and The QRP Reference Library

--
 George Gingell, user of the UniBoard System @ abs.net
 E-Mail: George.Gingell@bbs.abs.net
 The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA
 Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From qrp-l@lehigh.edu Wed Oct 18 14:38:00 1995
 From: cebik@UTKVVX.UTCC.UTK.EDU
 Subject: [4387] Call Books on CD-ROM
 Message-ID: <Pine.PMDF.3.91.951018072948.543173881A-100000@utkvx.utk.edu>

Murphy struck. Had two notices on Call Books on CD-ROM coming available in November with a good price. Just when I have a request for a forward of the message, I cannot find it. Would someone, even the original author to whom I apologize, please send me a copy. Thanks.

-73-
 LB, W4RNL

L. B. Cebik, W4RNL	/\	/\	*	/	/	/	(Off) (423) 974-7215
1434 High Mesa Drive	/	\	\	----	/	---	(Hm) (423) 938-6335
Knoxville, Tennessee	/\	\	\	/	/		(FAX) (423) 974-3509
37938-4443 USA	/	\	\				cebik@utkvx.utk.edu
QRP ARCI 2572	G-QRP	7203	CQC	125	NEQRP	347	NORCAL 1111 MIQRP 1432

From qrp-l@lehigh.edu Wed Oct 18 14:38:00 1995
 From: hysell@kodak.com (John D. Hysell)

Subject: [4388] Cascade part failure

Message-ID: <9510181207.AA16722@runner.itc.Kodak.COM>

Hello from Western NY (where we still haven't seen the Oct QRpP...)

On the brighter side, I am nearly finished with my Cascade. I am waiting for a replacement LM383 audio amp, as the first one had a defect you might want to inspect yours for. After initial placement of the chip, the current load from the radio soared from under 50ma to nearly 2 amps!

The chip got quite hot (not able to hold with your fingers). I inspected for shorts, incorrect parts, etc but didn't find any errors. In desperation, I pulled the amp and the current dropped back to normal. I tack-soldered the amp back in place, and found that by careful positioning, I could get some audio without the current drain. Closer inspection revealed that several of the leads were loose within the epoxy package, and they must be shorting internally under certain positions. Jameco has LM383's in stock...
(-my thanks to John Liebenrood K7RO for his design and assistance.)

I was able to hear stations in Michigan, CT, Virginia and PA over the weekend using a 3foot chunk of solder as an antenna, so I am pretty happy with the receiver section so far. Once I get the new amp in place, I will procede to tune the PA, and finish it up.

I was looking at the National Semiconductor web page yesterday, and see that they offer a 20 watt audio amp in the same T0-220 package. -Hmmmmm I wonder if using the Cascade in the truck will lead me in that direction to overcome road noise?...

73 -John
KF2XC

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995

From: Edward=F=Burke%Eng%GPID@banyan.BV.TEK.COM

Subject: [4357] Eliminating The "Thump" in The Norcal40 Side Tone

Message-ID: <9510172039.AA23396@tekgen.bv.tek.com>

My favorite rig is my Norcal40A, by a long margin. My next favorite rigs are my Norcal30 and my older Norcal40.

My favorite set of headphones is the Sony MDR V6, since they are light, comfortable, and fit over my ears so that room noise is minimized.

Unfortunately, the rig and the headphones have not mixed very well. The Norcal40A (and the other rigs too) have made a low frequency "thump" in the

side-tone after sending a character and pausing:

dah-dit-dah-dit.....thump

For some people, this may not be a problem. But my CW skills are not really robust enough so that they are not impaired by the distraction, and my mistake count gets excessive. Another approach is to switch to a cheaper pair of phones which have poor bass response, but that's a shame when I own the very nice pair of Sony phones.

So I set out to minimize, or eliminate the thump.

Summarizing what is written below, I did three things to control the thump. I can not guarantee that all three will necessarily be needed, but it gives you a list for experimentation. The thump is gone from my Norcal40A, Norcal30 and Norcal40, and I did all three to each of them.

- 1) Match the two differential FETs (Q2 and Q3) in the AGC circuit. More on that below.
- 2) Add a second "leakage" resistor around Q3 that has the same value as R4.
- 3) Adjust R6, the AGC Threshold pot, so that volume just starts to drop slightly, and operate the receiver with it in that position.

Steps 1) and 2) are intended to make the AGC circuit strictly symmetrical. My reasoning is that, since the circuit is a differential input to the LM386, if it were exactly symmetrical no noise would be created when the gate circuit switches on or off. With matched transistors, and a similar leakage resistor bridging both, fairly good symmetry can be attained.

You may need to experiment with new values for R4 (and its new twin) when the additional resistor is added to maintain the side-tone in a comfortable range.

I am not sure why Step 3) is needed, but I have observed that it helps a lot.

As to matching FETs, you may be able to locate a source for matched 2N4416's or J309's or MPF102's, but I matched my own. I got a handfull of 4416's and matched them for two characteristics easily measured: R_{ds} "on" and pinch-off voltage.

R_{ds} on is very easy to measure. Simply short the gate terminal to the source, thus turning the three-terminal device (source, gate and drain) into a temporary two-terminal device. Now measure the resistance between the two terminals (I used a VOM). You should get a value in the range of perhaps 125 to 250 ohms. By the way, this is also a good technique to sort devices for gain. Within a given group of transistors with the same part number (ie, 2N4416, etc.) the one with the lowest R_{ds} on will be the hottest transistor, or will have the greatest

transconductance.

Grading FETs for pinch-off voltage is a little more complicated, but not all that difficult. I tried to describe the test circuit in a text description, but decided that a drawing would be worth a thousand words, so I will submit this item to QRPP, the Norcal Journal and create a drawing to go with it.

I hope that you enjoy this modification.

72 Ed Burke, KI7KW

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: paxton@sound.net (frank paxton iii)
Subject: [4377] first fox ! (tuesday nite 7.044 mhz)
Message-ID: <199510180415.XAA14440@sound.net>

that was FUN ! i was calibrating my SWL 40 tonite and had 7.040 matching up with the knobpot... (trying to get it linear...uggg !). moved up 400 cycles. here's a nice signal. WHAT"S THIS !?!?!? cq cq fox de ab5ou ! he was LOUD .. i called back thinking "texas maybe ! ya .. this could happen..."

then i hear this TINY signal tapping out my call and YES IT'S AB50U !

but what HAPPENED TO THE BAND !?!?!?!?

well.. he generously gave me a 339 (i think...heheh). so i responded in kind. there should be some way to easily say "you were gangbusters and now ur in the mud" o well. sent my name and qrpqrp ! YES... he's got the name ! this SWL 40 is SMART with ONE WATT .. to the G5RV (not so smart !?!?!?)

so a while later i pop the e-mail and there's DALE from Kansas City with his fox report ! i think - i KNOW that guy... he helped me with a project years ago... an antenna tune-up for n0onp ... (i'm in kansas city too..)

small world. and FUN too :) you meet (and re-meet) the nicest people on QRP.

frank ng0n.

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: Marshall Emm <75230.1405@compuserve.com>
Subject: [4365] For Frank Yorks@frank

Message-ID: <951017214922_75230.1405_HHB28-1@CompuServe.COM>

The following is a forwarded copy of a CIS Mail message.

*Date: 17-Oct-95 09:10 MDT
*From: Electronic Postmaster > INTERNET:POSTMASTER@CompuServe.COM
*Subj: Problem encountered at CompuServe/Internet mail gate

RE: Undeliverable Message

Your message could not be delivered to the indicated receiver(s):

Invalid receiver address: yorks@frank

Message number: 951017150930 75230.1405 HHB67-1
Sent at: 11:09 EDT 17-Oct-95
Subject: Re: Currency Exchange

Hi, Frank--

>> Would you lucky guys pay 1500 dollars for a QRP Plus? Neither would I,
>> but I would have to if I wanted one (I don't). Be lucky...

Tell me about it! My other call is VK5FN. It's not quite so bad there, but bad enough. Don't know what a QRP+ would sell for, but I suspect a lot. They get a slight break on Japanese gear due to proximity, but not enough to help. One of the final eye-openers for me was when Ford made a car in Australia for export to the US-- it sold in the US for less than half the price in Oz. Can you spell "SOCIALISM," boys and girls?

I guess your best bet, if you wanted a QRP+, would be to have a private person buy it for you here and send it as a gift (with a view to avoiding import duties).

Thank goodness there are good QRP kits around!

73
Marshall
AA0XI/VK5FN
AA0XI/VK5FN
<<>>

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: Harry_Chase@smtpgw.windata.com (Harry Chase)
Subject: [4401] For Frank Yorks@frank
Message-ID: <9509188140.AA814035206@smtpgw.windata.com>

The thread about the \$1500 QRP-Plus is a reminder that its not as convenient to get equipment in many countries as it is in the US.

A few years ago I was in Ecuador doing work for HCJB (the shortwave station). There was a 100% import duty on automobiles !! When anyone needed a car they tried to buy it used or at least buy one used from someone they knew in the US, and then have it shipped; so the valuation was less than a new one...

With electronic components the big problem was lead time -- Many semiconductor parts we can get from local distributors in the US in a week, took 1 to 4 months to get there - and with the vagaries of international mailing, some never made it at all. For small items they had a routine "procedure" that whenever anyone was traveling between there and the US, they filled up a suitcase with whatever was needed for the station when he went back. When I had made my travel arrangements several of the engineers there called me up on the phone a week or so before I went with a long list of "what to bring!!"

Harry
WA1VVH

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: lewise@bga.com
Subject: [4402] Fox - Heard 2 - Got 2 Finally...
Message-ID: <9510182115.AA0021@maria-4e.ip.realtime.net>

Well finally heard the fox(es) and was lucky enuf' to work them...
First ones of the year....

Heard wo3b faintly on about 7039 at the start... Didn't work him til the second hour on 7.1000... Slow QSB, but very readable on peaks.... Got him at 0242z... Whew!

Now ab5ou was another matter.. heard him in the first hour and he sounded QRO here in central texas(40 miles north of Austin)... Booming signal... Of course NM is closer than MD...But... Got ab5ou about 0140z on about 7111...

Rig here is a Kenwood 45sat at 4 1/2 watts to a ground mounted Butternut HF6V....

Larry
KA5T lewise@bga.com
Georgetown, Texas

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: "Bob White" <Bob_White@CCMAIL.AEROSYS.LORAL.COM>
Subject: [4390] Fox Hunt report W03B
Message-ID: <9509188140.AA814029756@CCMAIL.AEROSYS.LORAL.COM>

I should have known something was up when I got my first call on 7040 at 0100Z. "This is too easy" I thought. I was right as it was all downhill from there. The QRN picked up as the hours went by. Thanks to all who stuck in their. Sorry about the ones I missed. We will get you next time. I was using the Ten Tec Scout (with the RF amp removed) running off battery power at just under 4 watts and a 4 wavelength skyloop at 55 feet cut for 7040. I was also using the QRP+ and a G5RV at 50 feet as a second receiver (this made a difference on the 1 landers I worked at the end of the run).

All I can say guys and gals is "I hope we have better conditions next time"

The Log:

7040KHz		Sent	Rcvd	
0100Z	AA0XZ	549	549	MO Greg
0105Z	W00Q	549	549	CO Marty
0114Z	KK5KX	229	539	TX
0122Z	K5UP	229	529	OK Glen
0127Z	WA9PWP	219	459	WI Paul
0132Z	KB0WZ	449	559	MO Dale
0158Z	N7MFB	229	449	WA Bill

7110KHz				
0211Z	KC5EQC	229	449	OK Don
0220Z	AB5DG	439	549	OK Gordon
0227Z	WA6MOK	339	329	CO Jay
0237Z	KA5T	229	339	TX Larry
0246Z	N1QPR	459	449	MA Bill - Hi Bill long time no hear.
0252Z	KC1GS	459	579	MA Bill

Then as I was trying to work Tim on 7040 after time had expired AA1IK Ernie and I exchanged 559's. Ernie had been looking for me but I guess the clock beat him as I logged him in at 0310Z.

At least I gave the west a shot this week!

72 to all,

Bob White W03B (WASTP 50.38w)
bob_white@ccmail.aerosys.loral.com

P.S. Tim, I called until 0315Z.

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [4359] Fox Schedule
Message-ID: <199510171901.TAA09773@chuck.dallas.sgi.com>

Gang,

I have gotten many messages and I don't know what caused the confusion:

Here is what I sent:

```
>
>For this week:
>
>October 15, 1995 -- US Time Zones
>   Tuesday   October 17,1995   ---  9-11EDT   W03B   Bob
>   Tuesday   October 17,1995   ---  7-9 MDT   AB50U   Tim
>
>October 15, 1995 -- UTC Time
>   Wednesday October 18,1995   ---  0100-0300UTC W03B   Bob
>   Wednesday October 18,1995   ---  0100-0300UTC AB50U   Tim
>
```

Did everyone get this? These are not different days. I repeat, these are the same times. I gave them both in US and UTC times, just so that there wouldn't be the gripes about the time zones. There is only one two hour period this week for the foxii.

You see, it's a different day in Europe when they get to midnight before we do. It's simple physics, the earth rotates, life goes on, sun comes up and the sun goes down. Another day another dollar. :-)

My postings from now on will revert back to UTC only. It is left as an exercise for the student to not mess it up. :-) :-)

dit dit

--

Chuck Adams (K5FO CP-60) adams@sgi.com
Box 181150, Dallas, TX 75218-8150

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: Dale Hall <102603.30@compuserve.com>
Subject: [4373] Foxes on Oct 17
Message-ID: <951018024501_102603.30_HHU70-1@CompuServe.COM>

Well, my first foxhunt is now history. It was fun. As soon as I had worked W03B, the band faded. And, it was a good signal! Too bad.

I was surprised that the novice band did not have as much foreign broadcast QRM that is usually so obvious....at least not here in Kansas City. That certainly made AB50U a little easier to copy.

I am not one for contests but these foxhunts are a neat idea. It was fun to be able to work both foxes on my first fox hunt with this HB xcvr and trapped dipole. I hope to be able to do so next time but with a much better xcvr. :-)

Just how much power can foxes run? How much power were W03B and AB50U running and what kind of antennas? Do the foxes usually post their stats about their power and antennas after the foxhunts? It would be nice to know.

Thanks Bob and Tim. You made it fun. And you didn't even "BURN" us slower CW ops!

72 Dale KB0WZ

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: kub@upl.com (Steve Kubisch)
Subject: [4399] Foxhunt
Message-ID: <9510181358.AA12223@ringworld.upl.com>

Hi gang,

I know, another fox story. I don't know about the rest of you but I enjoy reading reports of other hunters. Sort of like Field & Stream.

Anyway, got Tim AB50U right out of the shoot at 0100. Nice strong sigs, but I expected that, NM to UT.

Started the real hunt for Bob W03B on 7040. Sure, you got to be

kidding. Lots of signals, but no fox. Now I'm torn between hunting and watching the Indians and Mariners. I'll wait till 0200 and he moves to 7110. Could at least hear people working him. About 0245 started to hear Bob VERY faintly, and I had low noise tonite. Called him many times but only got QRZ? Seems like East to West on 40 just isn't happening yet. Maybe another hour would have done it as he was on his way up. He never really got above the noise. I hope conditions improve before my turn in Nov.

Sorry I missed ya Bob and glad I got Tim.

72,
Steve -WW7Y-

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: william.redfearn.cmwdr01@nt.com
Subject: [4356] FS: QRP+ \$550.00
Message-ID: <"20410 Tue Oct 17 15:24:00 1995"@nt.com>

For Sale:

Index Labs QRP+ HF transceiver
serial #232
Almost NEW condition.
One mod to change the fixed resistors to a variable resistor to set the TX ALC for 5 watts PEP on SSB.
with Icom HM-65 mike (rewired for QRP+).
with manual and original box.

\$550.00 + shipping

73 - Dave.

=====
Dave Redfearn, Sr RF Systems Engineer NORTEL RTP, NC.
ph.(919) 992-3925 email: cmwdr01@nt.com qrl? de N4ELM/qrp

All opinions are my own, no one else wants them.

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: am257@detroit.freenet.org (Tim English)
Subject: [4386] Gel Cell batteries

Message-ID: <199510181116.HAA15933@detroit.freenet.org>

Ok here's what I have worked out with the boss for these gel cell batteries.

Interstate 12 volt 4.5ah \$20 plus \$6 shipping/handling
Interstate 12 volt 7.0ah \$25 plus \$6 shipping/handling
Interstate 12 volt 2.5ah \$15 plus \$5 shipping/handling

These are delivered twice weekly to our place of business by an Interstate delivery guy so you can be guaranteed a good fully charged battery on delivery. They are available from me direct so if interested drop me some mail. Guess I can also ship them COD as long as you pay the COD charges.

Also have chargers available for \$39 plus \$5 shipping/handling. These are a 1amp regulated power supply with a charger output specifically designed for gel cell batteries.

Tim, WB80GM
am257@detroit.freenet.org

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: Bruce Robertson <brucerob@epas.utoronto.ca>
Subject: [4364] good neighbour awards
Message-ID: <Pine.SGI.3.91.951017173935.13847E-100000@blues.epas.utoronto.ca>

Two weekends ago I worked some qrp up at my in-laws' cottage. It was great, and the best thing as usual were the many QRO stations willing to dig me out of the mud (especially on 30m - what a great crowd!) It occurred to me that we need to recognize their efforts more; after all probably 70-80% of our contacts are with them, right?

Towards that goal, I've started signing TX FOR QRP QSO. Furthermore, I was thinking that we should send out the 1000m/w receive award to these fine hams whenever we get a chance. Even better, I propose that the QRP-ARCI send these awards (or something similar) free of charge to a QRO station that is reported as having reached the mark by a QRP station. The goal here is good public relations and increasing the feeling that QRP is where things are at. I imagine that a \$1 increase in the charge for ordering a certificate for ourselves might cover it. Either way, we should keep fostering good-will; it's better for our sigs than any 10cm

flux reading could be!

72, VE3UWL

Bruce G. Robertson Dept. of Classics, U. of T.

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995

From: "Ted Kell" <kell@mpac.jsc.nasa.gov>

Subject: [4345] Index to QRPP

Message-ID: <199510171539.LAA48877@nss2.CC.Lehigh.EDU>

A week or so ago, I was looking at an article in QRPP and saw a reference to an article that I didn't remember when the original was published. I began to wish that someone had published a cumulative index to QRPP like there is to SPRAT. Well, along the lines of my comments about decentralization of NORCAL, I decided that since I was the one that wanted it, I was the one that would have to do it. I have done a test case. The database for the latest issue, III-3, is now on ftp.lehigh.edu in the directory pub/listserv/qrp-1/clubs/norcal. The file is called QRPP.INDEX. Please note that this the database _only_. There is no s/w to format this file to something more useful. If you feel inspired, have at it. I will do more issues as I have time and as the spirit moves me.

One favor please, the type and keyword fields are _very_ subjective. If you wrote for III-3 please look at what I have done. If you disagree with what I have put, let me know so I can come to a better idea of how to select these.

If you have any suggestions of things to add to the DB, PLEASE LET ME KNOW NOW, not when I have done the whole run. :]

Note that the first field in each citation is the name of the magazine. There are some obvious extensions to this effort.

OH, by the way, the article I was looking for wasn't in QRPP. :)

72

KC5CUW

Ted Kell (kell@mpac.jsc.nasa.gov)

(To clarify things, Some other person saying to me)

You live in Houston? Well, bless your soul!

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: jps@kodak.com (John P. Spoonhower)
Subject: [4389] keyer paddles
Message-ID: <9510181213.AA05971@lumi.Kodak.COM>

Everyone,
thanks to Chuck for his timely post on the upcoming Vibroplex
racer.....I was about to order a new keyer paddle, but now
I think I'll hold out for awhile. I'm getting tired of my
Bencher....some guys really change their lives in middle age;
I'm contemplating a change of keyer.....
Has anyone tried out the Kitano dual paddle (vertical) keyer
that I saw in a new product announcement in QST (aug. 95 p.57)?
Just wondering what the is the net-wisdom on this one.
ciao & 72, John, kc2du

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: Jeff Gold <JMG@tntech.edu>
Subject: [4344] NN1G-finally alive and well
Message-ID: <01HWJ1Q2Q05I95MUIC@tntech.edu>

All,

have built a couple of NN1Gs and had a bunch of problems trying to
convince the oscillators to oscillate..knew of a number of other
people that experienced similar problems... a while back Joe
White, who use to be on the list helped me out and worked on mine.

Sent it back and it worked..it transmitted and received..well not
all the time.. I finally figured out why I never ended up using
the rig.. the receive would stop oscillating.. and the 20 m band
would be dead a lot of the time.. I finally figured out if I
transmitted it kicked the oscillator on and the band opened :-)

well finally had some time off yesterday and my brain cleared a
little.. figured it was a ground problem between the boards..
checked all over the place and everything seemed to be grounded
well enough...finally just made a jumper and put it between the
boards where the screws go into the spacers.. and low and behold..
the oscillator now starts all the time.. also noticed Joe had put
a ground between the variable cap and the receiver board.. really
helped with hand capacitance when tuning.

,

Well the reciever seems to work very well .. don't really like all the hiss.. but the reciever seems to be somewhat more sensitive than most.. my tx puts out a nice 2 watts and the QSK works very well.. been doing some DXing here this am.. get good reports.. Doug H. had a long time ago made the case for this and it is shorter than the Norcal 40 case and just a little longer.. I painted it blue..it is cute.. running it off two itsy -bitsy gel cells a friend recently donated..the rig doesn't seem to draw much power.. and I am now having a blast with it.. guess I will keep it.. will make a great portable.

73

Jeff, AC4HF

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: Tom Jennings <jennings@eng16.rochny.uspra.abb.com>
Subject: [4394] No fox for me :(
Message-ID: <jennings-9509181332.AA00018313@eng16>

I listened but did not hear any fox or anybody working him. Well better luck next time!

Tom, kv2x

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: Brien Pepperdine <pepperb@gov.on.ca>
Subject: [4374] Oct. '73' QRP TUNER
Message-ID: <Pine.OSF.3.90.951017232020.17075A-100000@govonca2>

We were pondering over the qrp tuner in the Oct. for some ideas for building projects club members could do (not all belong, or want to belong to NorCal, for their own reasons, so no St. Louis tuner for them).

Anyhow, the schematic says 40 turns of #24 on a T106-6 ; BUT the parts list on the next page indicates to use a T130-6 (yellow core). Anyone know, or want to venture a guess as to, which core is the correct one to use (no sense waiting for 3 months for the Errata to correct the article in the Feb or March issue - building time is now approaching).

Brien
Toronto

pepperb@gov.on.ca

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [4370] QRP ARCI Party
Message-ID: <199510171308.NAA08952@chuck.dallas.sgi.com>

Gang,

Well, I got it wrong again. The highest numbers that I worked were in the 8800's. Two guys in fact.

I only got a total of three hours on the air, what with changing between the NN1G Mark I on 20M to the Explorer II on 40M, and the beautiful weather but less than satisfactory propagation and competition from the other contests. The beautiful weather was my real downfall with a couple of projects that had to be done before the cold weather sets in and on Sunday had to get in the State Fair of TX.

$147 \text{ pts} \times 17 \text{ states/c} \times 10 \text{ points for } 0.95\text{W} = 24,990 \text{ points}$

Highlights from the contacts were everyone worked and some of the calls worked were W6TOY/3 (Bruce), K2LGJ (Bob), W3TS (Mike), N4BP (Bob), VE5VA (Pete), W6ZH (Pete), N6GA (Cam) and K7YHA (Rich). I did not work anyone with a 9 nor did hear anyone in the 9 callzone. Hmmm.

Another reason to work small contests (or big ones too), especially the fun ones that QRP ARCI sponsors and the QRP Afield contests and the foxhunt is not the competition but to work people that you may talk to via email or the phone, have never met face-to-face, but hope to run into at Dayton or area meetings.

Interesting side note. In same contest 1993 worked 6 hrs 20M only with same NN1G, got 63,990 points. I'm getting older and slowing down. ;-)

dit dit

--

Chuck Adams (K5FO CP-60) adams@sgi.com
Box 181150, Dallas, TX 75218-8150

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: Brien Pepperdine <pepperb@gov.on.ca>
Subject: [4404] QRP Tuner (fwd)
Message-ID: <Pine.OSF.3.90.951018101710.992A-100000@govonca2>

Re. the query about the 2 cores 'which one is it really? in the Oct. '73' qrp tuner article, I have received the following from someone who knows - he who did it.

Enjoy - seems it really doesn't matter - depends what you have on hand and what fits for you.

----- Forwarded message -----

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: eighmy@scott.net
Subject: [4346] QRP-Ler, KD4BPI places Third in FD 1B-2op QRP!!!
Message-ID: <199510171555.KAA16774@koala.scott.net>

(BIRMINGHAM, AL) A member of the QRP-List, KD4BPI, Gene Watterson, placed third in the 1995 Field Day Contest under the 1B-2op QRP category. Gene is a long-time Big "Capgun" operating QRP almost exclusively with a vast array of homebrew gear including a 40 meter Tube xmitter with a matching Tube Genny.

The equipment used for FD included a TS-430S on HF (with a couple of Ugly Weekenders as backup), an Icom 2 meter All mode (compliments of WA4FAT), a Century 21 with Ten-Tec's 6 meter transverter, and a TM742 on 440. Antennas included a 2 element 20 meter quad made out of PVC (a KD4BPI design), a 40 meter inverted vee, a 4 element 2 meter quad, 6 meter dipole, and a full wave 80 meter skywire (horizontal loop).

The location atop Oak Mountain (elev. 1200 ft) both helped and hindered operation. Several thunderstorms chased the fearless team (including WD4MPS) to the safety of lower ground, halting operation for a total of four hours. Local law enforcement officials also warned the team of a long haired, hippie vagrant carrying a guitar and breaking into cars. This didn't effect operation until 2:00 am when a opossum rummaged through the camp producing extra dits and dahs out of the keyer.

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: Rich Mulvey <mulveyr@vivanet.com>
Subject: [4347] QRPp arrived?
Message-ID: <199510171603.MAA19423@linux>

Hmmm... still no QRPP here in upstate NY. Is there anyone else who is finding their mailbox a little empty?

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: "OPS Jim KC1FB" <p01599@psilink.com>
Subject: [4353] QRPP arrived?-NOT!
Message-ID: <3023035059.0.p01599@psilink.com>

Hasn't been found in MY mailbox in CT. Zip 06851

Jim :(

----- Forwarded Message

From: Rich Mulvey <mulveyr@vivanet.com>
Hmmm... still no QRPP here in upstate NY. Is there anyone else who is finding their mailbox a little empty?
----- End of Forwarded Message

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: ddonald@vikings.onecomm.com (Dave Donaldson)
Subject: [4351] Ten-Tec pm-1

Please dont shoot me on this one nor make fun of me (though I wonder if in this case it may be justified since I might already know the answer) but someone may know the answer to this question from first hand experience:

I got a PM-1 free. I have documentation and the radio is broke. IS IT WORTH FIXING or should I jack up the case and slide a new radio under it? I usually feel bad distroying radios but I wonder if I should make an exception for this one.

Dave

WB7DRU , Eagan MN

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: Robert Norman <RZ5630@WACCVM.corp.mot.com>
Subject: [4362] TENTEC 509
Message-ID: <"RZ5630 95/10/17 21:40:31.211098"@WACCVM.CORP.MOT.COM>

I have a Ten Tec Century 21 transceiver but would like to move up to

a Ten Tec 509 Argonaut. If anyone has a 509 for sale I would like to talk to you about a possible purchase. Please EMAIL me with any offers. Thanks ahead of time.

Bob ARS K7NWB
rz5630@waccvm.corp.mot.com
602-413-4508 work
602-833-7786 home

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: ak119@lafn.org (Rothan Maxwell)
Subject: [4379] The Fox!
Message-ID: <199510180640.AA03963@lafn.org>

I worked My first Fox of the season tonite!

It was great fun, and quite a challenge to work Tim (AB50U), in the novice portion of the band. There was quite a bit of QRM from a tuner uper, and a digital station, but after getting my 19 month old son situated in his high chair, the AGC turned off, the notch filter adjusted, and the outboard audio filter set to 80hz, I could copy Tim pretty well! I just love it when you have to dig into the receiver to work a guy! the QRO boys say that we're sick, THEY don't know what real ham radio is all about!

You Did a Great Job Tim, Keep Up The Good Work!

72's de max (nu6u)

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: dgf@netcom.com (David Feldman)
Subject: [4355] Whiterook paddle update
Message-ID: <199510171927.MAA00983@netcom12.netcom.com>

Several people asked me about some info re the tiny paddle I bought from Whiterook (not "whiterock" as I had originally written).

Their model is MK-44.
Their phone is 805 339 0702
Their address is 309 S. Brookshire/Ventura, CA/93003
The price shipped is \$9.95.
Mine arrived about 4 days after I sent the check.

Several people asked me for more detail re my impressions... the paddle is something you could build yourself if you wanted, but for \$9.95 it is hardly worth the effort. Just visualize a 2x2x0.75" plastic parts storage box with a miniature keyer lever/paddle set built up on the top. All of the parts are plastic/plexiglas except for the standard metal screws/nuts/terminals used for the electronic connections. You can open the plastic box (it's just held closed by friction fit) and that's where I got the idea of stuffing the keyer electronics inside (which I still think is entirely feasible). The thing isn't rugged (step on it and you have a pile of plastic shards and a few nuts and screws) and it isn't heavy at all (you either velcro it to something solid or hold it with your other hand) and the paddle movement is sprung by the flexibility of the two plastic levers, not springs or magnets as is traditionally the case. I suppose you could try to make it heavier by stuffing the base full of neutronium (that stuff from star trek) or maybe leavings from a black hole, but realistically you couldn't find anything dense enough to fill the little plastic base and make it heavy enough to be self-stabilizing.

Anyway, you've probably spent more in your time reading this message than it would cost to buy one, so I'd say it's worth buying, if nothing else than for cuteness. I'll definately use it with my NORCAL 40A (as soon as I decide whether to build the 8044 circuit into the 40A or the paddle base).

73 Dave WBOGAZ dgf@netcom.com

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: "rohre" <rohre@arlut.utexas.edu>
Subject: [4363] Zener diode on transistor final: SWRP
Message-ID: <n1398174098.47262@msmailgw1.arlut.utexas.edu>

Bob and others started discussing this diode that appeared long after the first transistor transmitters hit the air.

I have seen it said of such circuits that it was "for high SWR Protection of the final transistor". That seemed consistent with the zener aspect of the diode---

it would conduct on any otherwise transistor unfriendly voltage spike that might result from an extreme such as the feedline breaking away from the antenna, or some other SWR producing event(s). I never really thought about the idea of a damping of a ringing oscillation, but that sounds pretty neat.

Back to back zeners are used for that in relay coil circuits, or brake coil windings on certain motors, etc.

But my question is this: Isn't the final coil pretty well low Q and unlikely to ring, which I associate with High Q, high impedance tanks? With a modest impedance transistor collector driving one side of the tuned circuit and a 50 ohm antenna or tuner on the other side, you also have a loaded Q situation, thus the zener would not have much of a job, if ringing was why it was there, or am I missing something here? Does anyone know who first put these into transmitters? Nothing like that was in the transmitters of ZL1AAX Les Earnshaw and W6TNS, Don Stoner when they published the Transistor Radio Handbook back in 1960 or so. It seems to be in everyones' design today, thus it is something that came to be considered standard, in the intervening years. Think I will also look up "400 Ideas for Design" in our technical library, and see if any commercial origins of this surface. I don't think it is in the early DeMaw transmitters, can anyone remember when this was first used?

Perhaps those who have had experience with the zener either saving a final, or lack of a zener causing the loss of a final will comment on the circumstances that the zener will help.

This is one of those technical things you take for granted, until just this thread shows up! Good topic!

72, Stuart K5KVH

rohre@arlut.utexas.edu

From qrp-l@lehigh.edu Wed Oct 18 14:38:00 1995

From: BOB.LIESENFELD@hamlink.mn.org (BOB LIESENFELD)

Subject: [4385] ZENER IN PA

Message-ID: <813970819.AA03918@hamlink.mn.org>

Well gang,

Had a few replies to my post re: zener diode from collector to gnd in xistor PAs. The consensus seems to be that the added capacity takes out high freq stuff.

With all due respect, I don't think this is the answer. Adding fixed capacitance to the output filter (often a PI-NET in my designs) does not accomplish the same thing. Maybe the non-linear "vari-cap" idea has some merit.

So I'll keep lookin for more posts!

72 Bob WB0POQ

Technology is OUT of control.....

---NoSnail v1.17

HAM>link< RBBS - Serving the Amateur Radio Community Since 1983

- 612/HAM-0000 v.34 Ham Radio Spoken Here!!

- 612/HAM-1010 v.32b Reply to sender @ hamlink.mn.org

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995

From: "MIKE HERR" <mike_herr@imdgw.chinalake.navy.mil>

Subject: [4403] Re: 28 Mhz VXO

Message-ID: <n1398121840.24161@imdgw.chinalake.navy.mil>

Bruce,

I had a similar problem. I needed a simple vxo transmitter to excite a 2 meter transmitting converter. I built a 10 meter version of the old TWOFER, with the appropriate changes in coils, added a rf power control and used 2N2222 for the final. I also built a 3db pad between the transmitter and the converter. The xtal is from International Crystal and is a fundamental. I've got the schematic someplace around here. You will need a fundamental, overtones are just about impossible to "bend".

Also, there has been a single IC transmitter built around a 74HC240 that will run up at 10 meters.

By the way, I use the 10 meter twofer and transmitter converter + amp (5 watt) for uplink to RS-10 and RS-15.

72

Mike Herr

WA6ARA

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995

From: prvalko <prvalko@Oakland.edu>

Subject: [4393] Re: 2N7000's: important information

Message-ID: <Pine.OSF.3.91.951018092241.514B-100000@saturn.acs.oakland.edu>

Wayne,

In all my 30 or so years of electronics work, I have never, ever fried a "static sensitive" component - including cpus, memory, mosfets... etc

If I blew the 2N7000 in my KC1 it would be an historic event.

I don't find the microprocessor noise all that bad, really.

Any of you folks even marginally interested in this unit BUY ONE NOW! It is simply too cool. My NC-40a with the KC-1 installed is like drinking coffee out of a Michigan QRP Club mug... just ever-so-much-so better.

73! =paul= wb8zjl

From qrp-l@lehigh.edu Wed Oct 18 14:38:00 1995
From: Rich Mulvey <mulveyr@vivanet.com>
Subject: [4376] Re: 30m QRP-L contest
Message-ID: <199510180354.XAA21419@linux>

>
> I have an idea... please don't criticize it...
>
> Do you think it would be acceptable if we had a sort of QRP-L contest
> on 30? Maybe work 25 of us in a 24 hr period?
>
> Something just to promote QRP activity on 30. To work the QRP-Lers,
> you must be running 5w or less.
>
We hashed this out a year ago, when Chuck first proposed the Fox
hunt/propagation study/etc. :-)

Contests are frowned at on the WARC bands, by Gentlemen's
agreement. Since we're all ladies and gentlemen here, we should
probably all abide by that rule. :-)

- Rich

From qrp-l@lehigh.edu Wed Oct 18 14:38:00 1995
From: aa7qy@primenet.com (Roger Hightower)
Subject: [4378] Re: 30m QRP-L contest
Message-ID: <199510180512.WAA17069@usr5.primenet.com>

At 11:55 PM 10/17/95 EDT, Adam O'Donnell wrote:
>I have an idea... please don't criticize it...
>
>Do you think it would be acceptable if we had a sort of QRP-L contest
>on 30? Maybe work 25 of us in a 24 hr period?
>
Not criticism, Adam, but contests just aren't done on 30M. Guess you missed

Chuck's propagation study this past summer.

72, de Roger, AA7QY

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: af852@rgfn.epcc.Edu (William R Colbert)
Subject: [4391] Re: 30m QRP-L contest
Message-ID: <9510181247.AA29785@rgfn.epcc.Edu>

Adam, think we had one, called a hearability test, a few months ago, might check with K5FO to see how the "been there, done that" of 30 mtrs is. I am all for increased 30 Mtr activity - GL, Ray, W5XE

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: AA4PC@aol.com
Subject: [4368] Re: ALAS, NO OCTOBER QQ
Message-ID: <951017192003_126362817@mail02.mail.aol.com>

I haven't received my Oct QQ either even though I have been seeing on the list that some people have received their's.

Craig AA4PC

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: burdick@interval.com (Wayne Burdick)
Subject: [4358] Re: Eliminating The "Thump" in The Norcal40 Side Tone
Message-ID: <v02130530aca9d4ff1613@[199.170.106.28]>

Ed, you've hit on all the high points of the thump problem, which as you say is an issue only for headphones with excellent bass response. I'd add two important points:

1. Before matching JFETs for R_{ds} and V_{gs} (drain-source resistance and pinch-off voltage), I suggest that builders try a much simpler trick: put a 10K resistor between pins 2 and 3 of the LM386. The resistor forms a balanced high-pass filter with the two 0.1uF coupling caps (-3dB at about 50Hz). Without the resistor, the high input impedance of the LM386 yields a very broad response, even near DC, allowing some of the differential DC voltage from the JFETs to make it through on key-up. A resistor is already

included at this point in the circuit in the rev. B NC40A; reduce its value if needed due to your headphones' low frequency sensitivity.

2. The AGC control is effective in reducing thump for good reason: If the threshold pot (R6) is set at the point where the AGC circuit is just starting to reduce the receiver gain, then even a signal near DC appearing at pin 5 of the LM386 will be seen by the full-wave AGC detector, and the loop closes, reducing the JFETs' differential voltage.

Wayne
N6KR

From qrp-l@lehigh.edu Wed Oct 18 14:38:00 1995
From: prvalko <prvalko@Oakland.edu>
Subject: [4397] Re: Fox Hunt report WB8ZJL
Message-ID: <Pine.OSF.3.91.951018093928.514E-1000000@saturn.acs.oakland.edu>

No humor this week :-)

I caught Tim on 7.110 around 1:10GMT (I think). I (like Bob) thought, Gee this is too easy... I worked Bob a week ago and we weren't even in the fux hunt! I'll nail him on 7.040 and call it a night.

Well, it was a night alright.

I tuned frantically on 7.040 looking for a PEEP out of Bob but heard NOTHING even closely resembling a foxhunt. No recognizable calls.

At 45 minutes to ten I walked upstairs to read a book to my daughter to put her to sleep. Next time I looked at the clock, it was 1:30AM.

Uhhhhh... guess I overslept...

Oh well... better luck next week.

73 =paul= wb8zjl

ObOversleeping : My daughter has a wool comforter made as a gift from my sister in law. My wife and I call it the death blanket because we fall asleep as soon as it is placed on top of one of us.

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: kb0oxd@gw.n0tz1.ampr.org
Subject: [4398] Re: Fox Schedule
Message-ID: <2860@gw.n0tz1.ampr.org>

Hey gang:

I understood BOTH of Chuck's posts perfectly, and I don't even have my HF - yet! :-).

BTW, anybody know of any 6 meter or 2 meter QRP gear, if there is such gear??

72/73's for now, my friends!

DE KB00XD

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [4382] Re: Foxes on Oct 17
Message-ID: <199510180910.JAA11236@chuck.dallas.sgi.com>

Dale,

Congrats.

The foxhunt is not a contest. FD is not a contest.

Keep telling yourself 'this is not a contest', 'this is not a contest', :-)

We like for everyone to be running QRP levels, at least the fox is.

dit dit es enjoy

--

Chuck Adams (K5FO CP-60) adams@sgi.com
Box 181150, Dallas, TX 75218-8150

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: prvalko <prvalko@Oakland.edu>
Subject: [4367] Re: good neighbour awards
Message-ID: <Pine.OSF.3.91.951017185830.4338B-100000@saturn.acs.oakland.edu>

On Tue, 17 Oct 1995, Bruce Robertson wrote:

>
> Towards that goal, I've started signing TX FOR QRP QSO. Furthermore, I
> was thinking that we should send out the 1000m/w receive award to these
> fine hams whenever we get a chance. Even better, I propose that the
> QRP-ARCI send these awards (or something similar) free of charge to a QRO
> station that is reported as having reached the mark by a QRP station.

Wow. That is facinating and something I (as a non-wallpaper collector)
never thought about.

As QRPers do ****WE**** get the 1,000m/w award or does the receiving station?

Seems to me, humble QRP fan that I am, the really hard part goes to the
receiving station! Naturally it's best if both ops were QRPers, but
c'mon. I never really thought that ***I*** would receive an award for
putting out a flea power signal that the other op had to dig out of the
noise.

Incredible what we learn here, isn't it?

73 =paul= wb8zjl

FOX HUNT TO-NITE!!!!

>
> goal here is good public relations and increasing the feeling that QRP is
> where things are at. I imagine that a \$1 increase in the charge for
> ordering a certificate for ourselves might cover it. Either way, we
> should keep fostering good-will; it's better for our sigs than any 10cm
> flux reading could be!
>
> 72, VE3UWL
> Bruce G. Robertson Dept. of Classics, U. of T.
>
>
>

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [4380] Re: good neighbour awards
Message-ID: <199510180848.IAA11117@chuck.dallas.sgi.com>

The 1,000 mile/watt award is available for either or both stations.

The cost is \$2 as it costs \$0.55 for mailing alone and the printing cost of the beautiful award, and I plan on Ron putting a photo of one in the QQ in the next few issues, as I don't recall seeing a photo ever in QQ. You don't want QRP ARCI to go broke on doing this for free do you?

Do you realize how many QSOs per day are over 1,000 mile/watt?
A lot gang.

dit dit

--

Chuck Adams (K5FO CP-60) adams@sgi.com
Box 181150, Dallas, TX 75218-8150

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: "Bob Schreibmaier" <k2ph@dxis.monroe.pa.us>
Subject: [4350] Re: Index to QRPP
Message-ID: <m0t5F77-00027WC@dxis.monroe.pa.us>

Speaking of QRPP, should I be concerned that I haven't yet received the September issue?

72.5,
Bob K2PH

--

```
+----- \-\-\-+
| Bob Schreibmaier K2PH | E-MAIL: k2ph@dxis.monroe.pa.us |
| (a.k.a. "The QRPer") | ICBM: 40o55'N 75o30'W |
| Kresgeville, PA | Euthanize the Limbaugh Loonies. |
+-----+
```

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [4360] Re: Index to QRPP
Message-ID: <199510171833.SAA09712@chuck.dallas.sgi.com>

Ted,

You are project leader, since you started this. For everyone that volunteers, give them an issue to do. If you get extra volunteers, have the proof other's work.

I volunteer for one issue, your choice.

dit dit

--

Chuck Adams (K5FO CP-60) adams@sgi.com
Box 181150, Dallas, TX 75218-8150

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: passione.vince@dj.com (Vince Passione)
Subject: [4395] Re: keyer paddles
Message-ID: <9510181338.AA03841@pluto.dowjawg>

John:

I have one of the Kitano paddles and I like it. To me, it has 2 advantages: it doesn't move around much (since you press down on it), and the motion is more natural (it's like tapping on 2 piano keys with your fingers). It's also pretty small.

I imagine it could be hard to re-train your fingers/brain if you're already very good with a squeeze paddle. I didn't have that problem since I was never too good at squeeze keying. Strangely, however, after spending a few days learning how to tap the Kitano, I found I could send a bit better with my Bencher paddle!

My only complaint with the Kitano is that there is an adjustment for spacing but you can't change the tension. You can't change the feel very much.

For the price, I think it's a good buy. Disclaimer: I have no connection with Kitano except as a customer.

73,
Vince WA2ECP

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [4381] Re: OK, I'm your guy.
Message-ID: <199510180842.IAA11097@chuck.dallas.sgi.com>

Gang,

Dan Puckett, WD8AAU, is the official (kinda) contact for info

about Dayton, since he lives there.

Don't put him in overload, as he does have a life.

He may be able to answer your questions about the weather, places to eat, and maybe some information about hotels, but it my recommendation that you stay at the Days Inn South. The Days Inn is going to be the central point of all QRP activities and you don't want to be at the Hamvention all day, go over to the Days Inn for the banquet on Friday nite, then go over to the Hospitality Suite and stay until 1 a.m. and then have to drive somewhere else. You'll really wear yourself out.

One of the things that Doug Hendricks and the rest of us can tell you is that due to the overwhelming list of things that you just gotta do, since you invested the time and money to get there, you won't get much sleep. Rest up before you get there and allow yourself, if possible, an extra day when you get back home to 'decompress'. It's like jet lag.

It's a blast.

dit dit

--

Chuck Adams (K5FO CP-60) adams@sgi.com
Box 181150, Dallas, TX 75218-8150

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: myers@bigboy73.West.Sun.COM (Dana Myers)
Subject: [4349] Re: Pacificon Weather Report
Message-ID: <199510171647.JAA01614@sunspot.West.Sun.COM>

> We don't care about the weather we know you dweebs will all be
> inside anyway. Just like Dayton. :-)

Hey, if fall is falling the way it usually did when I was growing up in the Daiblo Valley, I'd take a radio or two and head for the summit of Mt. Diablo myself...

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: "John F. Woods" <jfw@jfwhome.funhouse.com>
Subject: [4372] Re: QRP ARCI Party
Message-ID: <199510180215.WAA29755@jfwhome.funhouse.com>

> Well, I got it wrong again. The highest numbers that I worked were
> in the 8800's. Two guys in fact.

Hey, that reminds me.

While sitting and just copying (to warm up my rusty code) during the early part of the contest, I heard what I guess must have been a QRP/PA TEST collision; I heard one station ask for a repeat of the "number" from another station, who sent a four digit number, causing the first one to send NOT POSSIBLE followed by CQ TEST... The PA contest appeared to include a QSO number, so I can imaging how a four-digit QRP ARCI number would have been beyond astonishing... :-)

Also, it seems I worked at least 5 list members, since KH6CP sent mail to the list here even though he's not one of the listed subscribers (hi, Zack!).

72, John, WB7EEL

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: psalas@rockdal.aud.alcatel.com
Subject: QRP Tuner

I actually built two QRP Tuners.
The first used a T130-6. That was my first miniature tuner.
The tuner in 73 Magazine uses a T106-6. I went to that because I didn't have the room for the T130. The T106 works great.
It is smaller than the T130 but has higher permeability so the overall inductance is similar. Anyway, sorry about the confusion.
Please feel free to pass this on.

Phil Salas - AD5X

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: Tom_Jennings <jennings@eng16.rochny.uspra.abb.com>
Subject: [4352] Re: QRPP arrived?
Message-ID: <jennings-9509171744.AA001127101@eng16>

In message M, Rich Mulvey says:

> Hmm... still no QRPP here in upstate NY. Is there anyone else who
> is finding their mailbox a little empty?
>

I received mine last Saturday, 10/14 and I live just east of Rochester, NY

Tom, kv2x

Thomas J. Jennings | Tel: (716) 273 7071
Senior Engineer | Fax: (716) 273 7262
ABB Industrial Systems Inc. |
Post Office Box 22685 |
Rochester, New York 14692-2685

Internet: jennings@jennings.rochny.uspra.abb.com

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: Dale Hall <102603.30@compuserve.com>
Subject: [4369] RE: TS130 manuals & Dip meter
Message-ID: <951017232744_102603.30_HHU51-1@CompuServe.COM>

I sure got the answers on the manuals and dip meter. They are all sold.

I had a request for a photocopy. The trouble is....both manuals are copyrighted. But, I did call Kenwood. They gave me a number to call to get a photocopy of the service manual. It is: 1-800-428-7267. As for the Users Intl. Radio Club manual you can get in touch with W8MFD or the Users Intl. Radio Clubs, Inc. Port St Lucie FL 33452

72 Dale KB0WZ ""still looking and hoping to get a radio when there is enough \$ in the kitty""

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: Dale Hall <102603.30@compuserve.com>
Subject: [4354] RE: TS130 service manual. Plus a dip meter

Message-ID: <951017185137_102603.30_HHU30-1@CompuServe.COM>

To all those who replied about the TS130 service manual, thanks. It's sold.

I also have an item of interest to builders. It is the Heathkit HD-1250 solid state dip meter for checking resonant circuits. It is in excellent condition, has all the coils and has the original carrying case. I would like \$35.00 for it and I will pay the transportation costs. It works well as I have used it to make numerous antenna traps.

72 Dale KB0WZ

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: rgobrick@public.compuserult.nf.ca (Robert J. Gobrick)
Subject: [4366] Re: Vibroplex Brass Racer
Message-ID: <199510172239.UAA14558@public.compuserult.nf.ca>

Geez LB,

I never knew that my triangle based Brass Racer had so much mysticisim associated with that design - is that why my fist is so heavenly - Yoweee that lightning bolt sure came close... :^)

73/72 Bob V01DRB/WA6ERB

>Chuck,
>
>How fitting, that the qrp'er with the most brass and the raciest cw fist
>should press Mitch into revising the marvelous Brass Racer base.
>
>However, remember that according medieval numerology, you have reduced
>the divine to the mere mortal (since 3 was the number of the divine and 4
>the number of the mortal).....
>-73-
>LB, W4RNL
>
>
>

Bob Gobrick - V01DRB/WA6ERB/VE2DRB - Newfoundland, Canada
QRPer Galore - ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP
Internet: rgobrick@public.compuserult.nf.ca
bgobrick@terra.nl.net.nf.ca
Compuserve: 70466.1405@compuserve.com

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: af852@rgfn.epcc.Edu (William R Colbert)
Subject: [4371] Re: Whiterook paddle update
Message-ID: <9510180042.AA14974@rgfn.epcc.Edu>

Re Dave's message about the Whiterook paddle, I echo his comments.
I sent a check and obtained both the paddle and the mini-hand key and
had both in less than a week. I used both on the last two trips to
Belize and used them with good results. The hand key does not need
any anchoring due to the downward pressure, and it does have a good
feel. The paddle being light, requires either some sort of anchor
such as velcro or hold with the unused hand for stability. Other
than that - I feel well worth the cost. I do think that a more
substantial paddle would be better for long term use altho I do
use the Whiterook paddle as the main keyer paddle for the QRP+.
Ray, W5XE/V31XE

From qrp-1@lehigh.edu Wed Oct 18 14:38:00 1995
From: "MSgt Cameron C.R. Bailey" <CBAILEY@PAMDT.ANG.AF.MIL>
Subject: [4396] re: ZENER IN PA
Message-ID: <heH8+jHEVKA@PAMDT.ANG.AF.MIL>

I always thought that the reason was collector voltage stabilization.
If the collector current increased due to a temperature increase, the current
through the zener would decrease by the same amount. Hence the supply to the
collector would remain the same.

What causes an increase in temperature? How about high SWR?

Cam Bailey
SOGNET LAN Administrator (Banyan)
211 Engineering Installation Squadron
Fort Indiantown Gap (Annville) PA
DSN: 491-8737 Comm: 717-861-8737 FAX: 8268